

GP-308368

## GEAR BEARING FOR A STEERING WHEEL POSITION SENSOR

## ABSTRACT OF THE DISCLOSURE

An improved conventional steering wheel position sensor including a housing, a main gear, an auxiliary gear enmeshed with the main gear and a ring shield at the auxiliary gear. A ring shield wall of the ring shield has a  
5 low rise portion adjacent the main gear and a high rise portion distally therefrom. A truncated plate is connected to the high rise portion, and the auxiliary gear is bearingly mounted to an axle of the truncated plate so as to be rotatable without contacting the ring shield.